

Wednesday, August 08, 2012

Attn: Mr. Darrick Jones Leggette, Brashears & Graham 6 Executive Drive Farmington CT 06030

Project ID: SATIN

Sample ID#s: BC12331 - BC12355

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

**Laboratory Director** 

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/128:45Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12331

Project ID: SATIN
Client ID: P-41 0-.3

P.O.#:

RL/

Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	92		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1221	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1232	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1242	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1248	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1254	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1260	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1262	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1268	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	104		%	07/19/12	AW	30 - 150 %
% TCMX	96		%	07/19/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12331 Client ID: P-41 0-.3

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

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Phyllis Shiller, Laboratory Director

August 08, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/129:00Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12332

Project ID: SATIN
Client ID: P-42 0-.3

P.O.#:

RL/

		KL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	95		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1221	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1232	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1242	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1248	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1254	*	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1260	*	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1262	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1268	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
Total PCBs	0.93	0.35	mg/Kg	07/19/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	106		%	07/19/12	AW	30 - 150 %
% TCMX	106		%	07/19/12	AW	30 - 150 %

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Project ID: SATIN

Client ID: P-42 0-.3 RL/

Result

Units Date/Time By Reference

Phoenix I.D.: BC12332

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

**PQL** 

#### **Comments:**

Parameter

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<sup>\*</sup> For PCBs, as per section 11.9.3, when multiple Aroclor's of PCBs are present and the aroclor is no longer recognizable, quantitation may be performed by comparing the total area of the PCB pattern to that of the aroclor it mostly resembles. The PCB pattern did not resemble any of the standards, but most closely resembles a mixture of the Aroclors 1254 and 1260.



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August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/129:15Location Code:LBG-PCBReceived by:LB07/18/1216:35Rush Request:StandardApplying the law;

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12333

Project ID: SATIN
Client ID: P-43 2-2.5

P.O.#:

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	92		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1221	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1232	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1242	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1248	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1254	0.56	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1260	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1262	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1268	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	93		%	07/19/12	AW	30 - 150 %
% TCMX	96		%	07/19/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12333
Client ID: P-43 2-2.5

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

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**Analysis Report** 

August 08, 2012

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/129:30Location Code:LBG-PCBReceived by:LB07/18/1216:35Push Poquest:StandardAnalyzed by:and "Rys" helew

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12334

Project ID: SATIN
Client ID: LBG-B2 0.5

P.O.#:

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 95 % 07/18/12 E160.3 JL Extraction for PCB Completed 07/18/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.35 07/19/12 ΑW 3540C/8082 mg/Kg PCB-1221 ND 0.35 07/19/12 ΑW 3540C/8082 mg/Kg PCB-1232 07/19/12 3540C/8082 ND 0.35 mg/Kg AW PCB-1242 ND 0.35 07/19/12 ΑW 3540C/8082 mg/Kg 07/19/12 3540C/8082 PCB-1248 ND 0.35 mg/Kg ΑW 3540C/8082 PCB-1254 ND 0.35 mg/Kg 07/19/12 AW 07/19/12 3540C/8082 PCB-1260 ND 0.35 mg/Kg AW 3540C/8082 PCB-1262 ND 0.35 mg/Kg 07/19/12 AW PCB-1268 ND 0.35 mg/Kg 07/19/12 ΑW 3540C/8082 **QA/QC Surrogates** 07/19/12 % DCBP 111 % AW 30 - 150 % 07/19/12 88 % AW 30 - 150 % % TCMX

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Project ID: SATIN Phoenix I.D.: BC12334
Client ID: LBG-B2 0.5

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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August 08, 2012

FOR: Attn: Mr. Darrick Jones

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/129:31Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12335

Project ID: SATIN

P.O.#:

Client ID: LBG-B2 .5-1

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 95 % 07/18/12 E160.3 JL Extraction for PCB Completed 07/18/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.34 07/19/12 ΑW 3540C/8082 mg/Kg PCB-1221 ND 0.34 07/19/12 ΑW 3540C/8082 mg/Kg PCB-1232 07/19/12 3540C/8082 ND 0.34 mg/Kg AW PCB-1242 ND 0.34 07/19/12 ΑW 3540C/8082 mg/Kg 07/19/12 3540C/8082 PCB-1248 ND 0.34 mg/Kg ΑW 3540C/8082 PCB-1254 ND 0.34 mg/Kg 07/19/12 AW 07/19/12 3540C/8082 PCB-1260 ND 0.34 mg/Kg AW 3540C/8082 PCB-1262 ND 0.34 mg/Kg 07/19/12 AW PCB-1268 ND 0.34 mg/Kg 07/19/12 ΑW 3540C/8082 **QA/QC Surrogates** 07/19/12 % DCBP 107 % AW 30 - 150 % 07/19/12 92 % AW 30 - 150 % % TCMX

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Project ID: SATIN Phoenix I.D.: BC12335

Client ID: LBG-B2 .5-1

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/129:32Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12336

Project ID: SATIN
Client ID: LBG-B2 1-2

P.O.#:

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 97 % 07/18/12 E160.3 JL Extraction for PCB Completed 07/18/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.34 07/19/12 ΑW 3540C/8082 mg/Kg PCB-1221 ND 0.34 07/19/12 ΑW 3540C/8082 mg/Kg PCB-1232 07/19/12 3540C/8082 ND 0.34 mg/Kg AW PCB-1242 ND 0.34 07/19/12 ΑW 3540C/8082 mg/Kg 07/19/12 3540C/8082 PCB-1248 ND 0.34 mg/Kg ΑW 3540C/8082 PCB-1254 ND 0.34 mg/Kg 07/19/12 AW 07/19/12 3540C/8082 PCB-1260 ND 0.34 mg/Kg AW 3540C/8082 PCB-1262 ND 0.34 mg/Kg 07/19/12 AW PCB-1268 ND 0.34 mg/Kg 07/19/12 ΑW 3540C/8082 **QA/QC Surrogates** 07/19/12 % DCBP 92 % AW 30 - 150 % 07/19/12 88 % AW 30 - 150 % % TCMX

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Project ID: SATIN Phoenix I.D.: BC12336
Client ID: LBG-B2 1-2

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information **Custody Information** Date Time Collected by: Matrix: SOIL 07/17/12 9:33 Received by: Location Code: LBG-PCB LB 07/18/12 16:35 Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331 Phoenix ID: BC12337

SATIN Project ID: Client ID: LBG B2 2-3

P.O.#:

		RL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	96		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.34	mg/Kg	07/19/12	AW	3540C/8082
PCB-1221	ND	0.34	mg/Kg	07/19/12	AW	3540C/8082
PCB-1232	ND	0.34	mg/Kg	07/19/12	AW	3540C/8082
PCB-1242	ND	0.34	mg/Kg	07/19/12	AW	3540C/8082
PCB-1248	ND	0.34	mg/Kg	07/19/12	AW	3540C/8082
PCB-1254	ND	0.34	mg/Kg	07/19/12	AW	3540C/8082
PCB-1260	ND	0.34	mg/Kg	07/19/12	AW	3540C/8082
PCB-1262	ND	0.34	mg/Kg	07/19/12	AW	3540C/8082
PCB-1268	ND	0.34	mg/Kg	07/19/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	96		%	07/19/12	AW	30 - 150 %
% TCMX	73		%	07/19/12	AW	30 - 150 %

Page 13 of 50 Ver 1 Project ID: SATIN Phoenix I.D.: BC12337
Client ID: LBG B2 2-3

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1210:05Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC12331

Phoenix ID: BC12338

Project ID: SATIN
Client ID: P-62 7-7.6

P.O.#:

RL/

		KL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	94		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1221	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1232	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1242	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1248	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1254	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1260	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1262	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
PCB-1268	ND	0.35	mg/Kg	07/19/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	60		%	07/19/12	AW	30 - 150 %
% TCMX	97		%	07/19/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12338
Client ID: P-62 7-7.6

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

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6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1210:30Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12339

Project ID: SATIN
Client ID: P-64 0-.3

P.O.#:

RL/

Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	91		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1221	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1232	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1242	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1248	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1254	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1260	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1262	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
PCB-1268	ND	0.36	mg/Kg	07/19/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	95		%	07/19/12	AW	30 - 150 %
% TCMX	76		%	07/19/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12339
Client ID: P-64 0-.3

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1210:45Location Code:LBG-PCBReceived by:LB07/18/1216:35Rush Request:StandardAnalyzed by:analyzed by:analyzed by:analyzed by:

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12340

Project ID: SATIN Client ID: P-64 8-9

P.O.#:

RL/

Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	81		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1221	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1232	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1242	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1248	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1254	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1260	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1262	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1268	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	121		%	07/19/12	AW	30 - 150 %
% TCMX	94		%	07/19/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12340
Client ID: P-64 8-9

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

August 08, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1211:00Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12341

Project ID: SATIN
Client ID: P-66 0-3

P.O.#:

RL/

		I \L/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	89		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	3.7	mg/Kg	07/19/12	AW	3540C/8082
PCB-1221	ND	3.7	mg/Kg	07/19/12	AW	3540C/8082
PCB-1232	ND	3.7	mg/Kg	07/19/12	AW	3540C/8082
PCB-1242	ND	3.7	mg/Kg	07/19/12	AW	3540C/8082
PCB-1248	ND	3.7	mg/Kg	07/19/12	AW	3540C/8082
PCB-1254	ND	3.7	mg/Kg	07/19/12	AW	3540C/8082
PCB-1260	8.3	3.7	mg/Kg	07/19/12	AW	3540C/8082
PCB-1262	ND	3.7	mg/Kg	07/19/12	AW	3540C/8082
PCB-1268	ND	3.7	mg/Kg	07/19/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	98		%	07/19/12	AW	30 - 150 %
% TCMX	98		%	07/19/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12341

Client ID: P-66 0-3

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

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Phyllis Shiller, Laboratory Director

August 08, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1211:05Location Code:LBG-PCBReceived by:LB07/18/1216:35Rush Request:StandardAnalyzed by:anal "Rush below"

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12342

Project ID: SATIN Client ID: P-66 2-3

P.O.#:

RL/

		INL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	85		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/Kg	07/19/12	AW	3540C/8082
PCB-1221	ND	0.38	mg/Kg	07/19/12	AW	3540C/8082
PCB-1232	ND	0.38	mg/Kg	07/19/12	AW	3540C/8082
PCB-1242	ND	0.38	mg/Kg	07/19/12	AW	3540C/8082
PCB-1248	ND	0.38	mg/Kg	07/19/12	AW	3540C/8082
PCB-1254	ND	0.38	mg/Kg	07/19/12	AW	3540C/8082
PCB-1260	ND	0.38	mg/Kg	07/19/12	AW	3540C/8082
PCB-1262	ND	0.38	mg/Kg	07/19/12	AW	3540C/8082
PCB-1268	ND	0.38	mg/Kg	07/19/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	111		%	07/19/12	AW	30 - 150 %
% TCMX	81		%	07/19/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12342

Client ID: P-66 2-3

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

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August 08, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1211:15Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12343

Project ID: SATIN
Client ID: P-66 6-7

P.O.#:

RL/

Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	83		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1221	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1232	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1242	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1248	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1254	1.1	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1260	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1262	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
PCB-1268	ND	0.4	mg/Kg	07/19/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	80		%	07/19/12	AW	30 - 150 %
% TCMX	97		%	07/19/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12343
Client ID: P-66 6-7

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

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August 08, 2012

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1211:40Location Code:LBG-PCBReceived by:LB07/18/1216:35Rush Request:StandardApplying the law;10:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12344

Project ID: SATIN
Client ID: P-14 1-2

P.O.#:

RL/

		1 \ L/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	90		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.36	mg/Kg	08/07/12	AW	3540C/8082
PCB-1221	ND	0.36	mg/Kg	08/07/12	AW	3540C/8082
PCB-1232	ND	0.36	mg/Kg	08/07/12	AW	3540C/8082
PCB-1242	ND	0.36	mg/Kg	08/07/12	AW	3540C/8082
PCB-1248	1.2	0.36	mg/Kg	08/07/12	AW	3540C/8082
PCB-1254	ND	0.36	mg/Kg	08/07/12	AW	3540C/8082
PCB-1260	ND	0.36	mg/Kg	08/07/12	AW	3540C/8082
PCB-1262	ND	0.36	mg/Kg	08/07/12	AW	3540C/8082
PCB-1268	ND	0.36	mg/Kg	08/07/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	101		%	08/07/12	AW	30 - 150 %
% TCMX	102		%	08/07/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12344

Client ID: P-14 1-2

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

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August 08, 2012

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1211:41Location Code:LBG-PCBReceived by:LB07/18/1216:35Rush Request:StandardApplying the law;10:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12345

Project ID: SATIN
Client ID: P-14 2-2.1

P.O.#:

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	82		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.4	mg/Kg	08/07/12	AW	3540C/8082
PCB-1221	ND	0.4	mg/Kg	08/07/12	AW	3540C/8082
PCB-1232	ND	0.4	mg/Kg	08/07/12	AW	3540C/8082
PCB-1242	ND	0.4	mg/Kg	08/07/12	AW	3540C/8082
PCB-1248	1.7	0.4	mg/Kg	08/07/12	AW	3540C/8082
PCB-1254	ND	0.4	mg/Kg	08/07/12	AW	3540C/8082
PCB-1260	ND	0.4	mg/Kg	08/07/12	AW	3540C/8082
PCB-1262	ND	0.4	mg/Kg	08/07/12	AW	3540C/8082
PCB-1268	ND	0.4	mg/Kg	08/07/12	AW	3540C/8082
QA/QC Surrogates						
% DCBP	102		%	08/07/12	AW	30 - 150 %
% TCMX	101		%	08/07/12	AW	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12345

Client ID: P-14 2-2.1

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

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August 08, 2012

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1212:00Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12346

Project ID: SATIN
Client ID: P-17 0-5

P.O.#:

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	88		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/Kg	07/19/12	МН	3540C/8082
PCB-1221	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1232	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1242	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1248	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1254	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1260	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1262	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1268	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	85		%	07/19/12	MH	30 - 150 %
% TCMX	82		%	07/19/12	MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12346
Client ID: P-17 0-5

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

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August 08, 2012

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information **Custody Information** Date Time Collected by: Matrix: SOIL 07/17/12 12:01 Received by: Location Code: LBG-PCB LB 07/18/12 16:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12347

SATIN Project ID: Client ID: P-17 .5-1.0

P.O.#:

RL/

Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	93		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1221	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	81		%	07/19/12	MH	30 - 150 %
% TCMX	81		%	07/19/12	MH	30 - 150 %

Page 33 of 50 Ver 1 Project ID: SATIN Phoenix I.D.: BC12347

Client ID: P-17 .5-1.0

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

### **Comments:**

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August 08, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1212:02Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12348

Project ID: SATIN
Client ID: P-17 1-2

P.O.#:

RL/

Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	89		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1221	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1232	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1242	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1248	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1254	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1260	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1262	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1268	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	94		%	07/19/12	MH	30 - 150 %
% TCMX	80		%	07/19/12	MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12348
Client ID: P-17 1-2

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

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August 08, 2012

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1212:03Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12349

Project ID: SATIN
Client ID: P-17 2-3

P.O.#:

RL/

Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	85		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.39	mg/Kg	07/19/12	MH	3540C/8082
PCB-1221	ND	0.39	mg/Kg	07/19/12	MH	3540C/8082
PCB-1232	ND	0.39	mg/Kg	07/19/12	MH	3540C/8082
PCB-1242	ND	0.39	mg/Kg	07/19/12	MH	3540C/8082
PCB-1248	ND	0.39	mg/Kg	07/19/12	MH	3540C/8082
PCB-1254	ND	0.39	mg/Kg	07/19/12	MH	3540C/8082
PCB-1260	ND	0.39	mg/Kg	07/19/12	MH	3540C/8082
PCB-1262	ND	0.39	mg/Kg	07/19/12	MH	3540C/8082
PCB-1268	ND	0.39	mg/Kg	07/19/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	88		%	07/19/12	MH	30 - 150 %
% TCMX	90		%	07/19/12	MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12349

Client ID: P-17 2-3

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

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Phyllis Shiller, Laboratory Director

August 08, 2012

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1213:10Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12350

Project ID: SATIN
Client ID: P-18 0-.5

P.O.#:

RL/

Doromotor	Desuit	DOI.	l leite	Data/Time	D.	Deference
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	87		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1221	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1232	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1242	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1248	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1254	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1260	0.94	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1262	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1268	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	85		%	07/19/12	MH	30 - 150 %
% TCMX	74		%	07/19/12	MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12350
Client ID: P-18 0-.5

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 08, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1213:11Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12351

Project ID: SATIN
Client ID: P-18 .5-1.0

P.O.#:

RL/

		IXL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	93		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1221	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1232	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1242	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1248	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1254	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1260	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1262	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
PCB-1268	ND	0.35	mg/Kg	07/19/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	84		%	07/19/12	MH	30 - 150 %
% TCMX	82		%	07/19/12	MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12351
Client ID: P-18 .5-1.0

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

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Phyllis Shiller, Laboratory Director

August 08, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1213:12Location Code:LBG-PCBReceived by:LB07/18/1216:35Rush Request:StandardAnalyzed by:anal "Rush below"

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12352

Project ID: SATIN
Client ID: P-18 1-2

P.O.#:

RL/

		INL/				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	89		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1221	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1232	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1242	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1248	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1254	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1260	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1262	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
PCB-1268	ND	0.37	mg/Kg	07/19/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	81		%	07/19/12	MH	30 - 150 %
% TCMX	78		%	07/19/12	MH	30 - 150 %

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Project ID: SATIN Phoenix I.D.: BC12352
Client ID: P-18 1-2

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

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Phyllis Shiller, Laboratory Director

August 08, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1213:13Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

Laboratory Data

SDG ID: GBC12331

Phoenix ID: BC12353

Project ID: SATIN
Client ID: P-18 2-3

P.O.#:

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 87 % 07/18/12 E160.3 JL Extraction for PCB Completed 07/18/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.38 07/19/12  $\mathsf{MH}$ 3540C/8082 mg/Kg PCB-1221 ND 0.38 07/19/12 MH 3540C/8082 mg/Kg PCB-1232 07/19/12 3540C/8082 ND 0.38 mg/Kg MH PCB-1242 ND 0.38 07/19/12 МН 3540C/8082 mg/Kg 07/19/12 3540C/8082 PCB-1248 ND 0.38 mg/Kg MH PCB-1254 ND 0.38 mg/Kg 07/19/12 MH 3540C/8082 ND 07/19/12 3540C/8082 PCB-1260 0.38 mg/Kg МН 3540C/8082 PCB-1262 ND 0.38 mg/Kg 07/19/12 МН PCB-1268 ND 0.38 mg/Kg 07/19/12 MH 3540C/8082 **QA/QC Surrogates** 07/19/12 % DCBP 83 % MH 30 - 150 % 07/19/12 83 % MH 30 - 150 % % TCMX

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Project ID: SATIN Phoenix I.D.: BC12353
Client ID: P-18 2-3

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

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Phyllis Shiller, Laboratory Director

August 08, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1213:30Location Code:LBG-PCBReceived by:LB07/18/1216:35Rush Request:StandardApplying the law;

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12354

Project ID: SATIN Client ID: P-7 0-.3

P.O.#:

RL/

		114				
Parameter	Result	PQL	Units	Date/Time	Ву	Reference
Percent Solid	85		%	07/18/12	JL	E160.3
Extraction for PCB	Completed			07/18/12	BB/K	SW3540C
PCB (Soxhlet)						
PCB-1016	ND	0.38	mg/Kg	07/19/12	MH	3540C/8082
PCB-1221	ND	0.38	mg/Kg	07/19/12	MH	3540C/8082
PCB-1232	ND	0.38	mg/Kg	07/19/12	MH	3540C/8082
PCB-1242	ND	0.38	mg/Kg	07/19/12	MH	3540C/8082
PCB-1248	ND	0.38	mg/Kg	07/19/12	MH	3540C/8082
PCB-1254	ND	0.38	mg/Kg	07/19/12	MH	3540C/8082
PCB-1260	1.6	0.38	mg/Kg	07/19/12	MH	3540C/8082
PCB-1262	ND	0.38	mg/Kg	07/19/12	MH	3540C/8082
PCB-1268	ND	0.38	mg/Kg	07/19/12	MH	3540C/8082
QA/QC Surrogates						
% DCBP	94		%	07/19/12	MH	30 - 150 %
% TCMX	96		%	07/19/12	MH	30 - 150 %
	_					

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Project ID: SATIN Phoenix I.D.: BC12354
Client ID: P-7 0-.3

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

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August 08, 2012

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**Analysis Report** 

August 08, 2012

FOR: Attn: Mr. Darrick Jones

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample InformationCustody InformationDateTimeMatrix:SOILCollected by:07/17/1214:30Location Code:LBG-PCBReceived by:LB07/18/1216:35

Rush Request: Standard Analyzed by: see "By" below

**Laboratory Data** 

SDG ID: GBC12331

Phoenix ID: BC12355

Project ID: SATIN
Client ID: P-79 1-2

P.O.#:

RL/ **PQL** Units Date/Time Parameter Result By Reference Percent Solid 91 % 07/18/12 E160.3 JL Extraction for PCB Completed 07/18/12 BB/K SW3540C PCB (Soxhlet) PCB-1016 ND 0.36 07/19/12  $\mathsf{MH}$ 3540C/8082 mg/Kg PCB-1221 ND 0.36 07/19/12 MH 3540C/8082 mg/Kg PCB-1232 07/19/12 3540C/8082 ND 0.36 mg/Kg MH PCB-1242 ND 0.36 07/19/12 МН 3540C/8082 mg/Kg 07/19/12 3540C/8082 PCB-1248 ND 0.36 mg/Kg MH PCB-1254 ND 0.36 mg/Kg 07/19/12 MH 3540C/8082 ND 07/19/12 3540C/8082 PCB-1260 0.36 mg/Kg МН 3540C/8082 PCB-1262 ND 0.36 mg/Kg 07/19/12 МН PCB-1268 ND 0.36 mg/Kg 07/19/12 MH 3540C/8082 **QA/QC Surrogates** 07/19/12 % DCBP 82 % MH 30 - 150 % 07/19/12 78 % MH 30 - 150 % % TCMX

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Project ID: SATIN Phoenix I.D.: BC12355
Client ID: P-79 1-2

RL/

Parameter Result PQL Units Date/Time By Reference

RL/PQL=Reporting/Pratical Quantitation Level ND=Not Detected BRL=Below Reporting Level

#### **Comments:**

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If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

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Phyllis Shiller, Laboratory Director

August 08, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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## QA/QC Report

August 08, 2012

### QA/QC Data

QC Data SDG I.D.: GBC12331

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	C Sample No: BC12331 (BC1233 2340, BC12341, BC12342, BC1								
Polychlorinated Bipl	<u>nenyls - Soil</u>								
PCB-1016	ND	82	82	0.0	90	87	3.4	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	83	82	1.2	113	91	21.6	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	89	87	86	1.2	115	116	0.9	30 - 150	30
% TCMX (Surrogate Rec)	91	91	90	1.1	103	98	5.0	30 - 150	30
QA/QC Batch 205086, QC	C Sample No: BC12351 (BC1235	1, BC12352, BC1	2353, E	3C12354	1, BC12	2355)			
Polychlorinated Bipl	<u>nenyls - Soil</u>								
PCB-1016	ND	80	81	1.2	93	85	9.0	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	82	82	0.0	105	102	2.9	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	84	83	87	4.7	118	111	6.1	30 - 150	30
% TCMX (Surrogate Rec)	88	90	90	0.0	105	99	5.9	30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

August 08, 2012

#### Wednesday, August 08, 2012 **Sample Criteria Exceedences Report** Requested Criteria: GBM, RC

State: CT

GBC12331 - LBG-PCB

	State: CT						RL	Analysis
SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	Criteria	Units
BC12341	\$PCB_SOXR	PCB-1016	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	3700	1000	1000	ug/Kg
BC12341	\$PCB_SOXR	PCB-1221	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	3700	1000	1000	ug/Kg
BC12341	\$PCB_SOXR	PCB-1232	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	3700	1000	1000	ug/Kg
BC12341	\$PCB_SOXR	PCB-1242	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	3700	1000	1000	ug/Kg
BC12341	\$PCB_SOXR	PCB-1248	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	3700	1000	1000	ug/Kg
BC12341	\$PCB_SOXR	PCB-1254	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	3700	1000	1000	ug/Kg
BC12341	\$PCB_SOXR	PCB-1260	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	8300	3700	1000	1000	ug/Kg
BC12341	\$PCB_SOXR	PCB-1262	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	3700	1000	1000	ug/Kg
BC12341	\$PCB_SOXR	PCB-1268	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	ND	3700	1000	1000	ug/Kg
BC12343	\$PCB_SOXR	PCB-1254	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1100	400	1000	1000	ug/Kg
BC12344	\$PCB_SOXR	PCB-1248	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1200	360	1000	1000	ug/Kg
BC12345	\$PCB_SOXR	PCB-1248	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1700	400	1000	1000	ug/Kg
BC12354	\$PCB_SOXR	PCB-1260	CT / PESTICIDES, PCB's, TPH, a / RES DEC (mg/kg)	1600	380	1000	1000	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Page 1 of 1

### Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. Client: LBG-PCB Project Location: SATIN **Project Number:** Laboratory Sample ID(s): BC12331, BC12332, BC12333, BC12334, BC12335, BC12336, BC12337, BC12338, BC12339, BC12340, BC12341, BC12342, BC12343, BC12344, BC12345, BC12346, BC12347, BC12348, BC12349, BC12350, BC12351, BC12352, BC12353, BC12354, BC12355 **Sampling Date(s):** 7/17/2012 **RCP Methods Used:** ☐ 1311/1312
☐ 6010 7000 7196 7470/7471 8081 ☐ EPH TO15 **✓** 8082 8270 9010/9012 □ VPH 8151 8260 ETPH For each analytical method referenced in this laboratory report package, were all ✓ Yes □ No specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP methodspecific Reasonable Confidence Protocol documents? Were the method specified preservation and holding time requirements met? ✓ Yes □ No EPH and VPH methods only: Was the VPH or EPH method conducted without 1b. ☐ Yes ☐ No **✓** NA significant modifications (see section 11.3 of respective RCP methods) 2. Were all samples received by the laboratory in a condition consistent with that ✓ Yes No. described on the associated Chain-of-Custody document(s)? Were samples received at an appropriate temperature (< 6 Degrees C)? 3. ✓ Yes □ No □ NA Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol 4. ✓ Yes □ No documents achieved? Were reporting limits specified or referenced on the chain-of-custody? 5a. ✓ Yes No. Were these reporting limits met? 5b. ✓ Yes □ No □ NA For each analytical method referenced in this laboratory report package, were results 6.  $\square$  NA ✓ Yes No reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? Are project-specific matrix spikes and laboratory duplicates included in the data set? 7. ✓ Yes □ No □ NA Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. Date: Wednesday, August 08, 2012 Authorized Printed Name: Greg Lawrence Signature: Position: Assistant Lab Director



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



### **RCP Certification Report**

August 08, 2012

**SDG I.D.: GBC12331** 

#### **PCB Narration**

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

**Instrument:** Au-ecd24 08/06/12-1 (BC12344, BC12345)

Printed Name Adam Werner Position: Chemist Date: 8/6/2012

**Instrument:** Au-ecd5 07/19/12-1 (BC12331, BC12332, BC12333, BC12334, BC12335, BC12336,

BC12337, BC12338, BC12339, BC12340, BC12341, BC12342, BC12343)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Adam Werner Position: Chemist Date: 7/19/2012

**Instrument:** Au-ecd8 07/19/12-1 (BC12346, BC12347, BC12348, BC12349, BC12350, BC12351,

BC12352, BC12353, BC12354, BC12355)

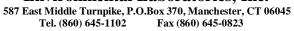
8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist 7/19/2012







# **RCP Certification Report**

August 08, 2012

**SDG I.D.: GBC12331** 

QC (Site Specific)Sample No: BC12331, QA/QC Batch: 205085
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 40 - 140 with the following exceptions: None.
All MSD recoveries were within 40 - 140 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.
Sample No: BC12351, QA/QC Batch: 205086
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 40 - 140 with the following exceptions: None.
All MSD recoveries were within 40 - 140 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

Phoenix Std Report \* SURCHARGE APPLIES Djeres@16gcticin | Full Data Package\* ☐ Tier II Checklist Data Package Data Format X Excel
 PDF GIS/Key EQuIS Other MA MCP Certification ☐ MWRA eSMART
☐ Other Project P.O: Phone #: Fax #: ☐ GW-3 ☐ GW-2 Data Delivery: ☐ GW-1 S-2 S-1 Email: State where samples were collected: Residential DEC SW Protection ☐ GW Protection GA Mobility S GB Mobility RCP Cert Other Jeires 587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040 Email: info@phoenixlabs.com Fax (860) 645-0823 RI Direct Exposure CHAIN OF CUSTODY RECORD (Residential) भ्रांध्य Client Services (860) 645-8726 Other ⊗ □ ASSES TO THE TO SEE TH SALIO \* SURCHARGE APPLIES Time: Report to: Invoice to: 1 Day\*
2 Days\*
3 Days\*
X Standard
Other Project: 7/18/12 Furnaround: Date: 1045 Time Sampled 1630 50 (58) 7-17-12 8 915 933 8 845 930 932 Matrix Code:
DW=Drinking Water GW=Ground Water SW≂Surface Water WW=Waste Water
C-C-inCnin W=Wipe O=Other 93 Date Sampled 7-17-12 Client Sample - Information - Identification Drive Sample Matrix 8 meironmental Laboratories, Inc. 3 Comments, Special Requirements or Regulations Removed to Accepted by: 6 Executive PLBG-82 (0-,5) 1.5 2.25 2-3 1-2 P-66 (0-3 P62 (7-76) P-64 60-13 LBG Inc Customer Sample 6-8) Ho-d P-411 (0-13) 7-42(0-,3) LR6-82( 186-82 L36-B21 7-661 P-43( PHOENIX USE ONLY Relinguished by Customer: Address: Sampler's Signature

Data Packada	GB Mobility S-1	<u> </u>	Turnaround.	its or Regulations:	Comments, Special Requirements or Regulations:
EQUIS Other	GA Mobility CW-3	Other	•		
GIS/Key	」 GW Protection ☐ GW-2 ☐ SW Protection		7/18 1638	- Open Cunols	Holis Judan
tification Excel		Direct Exposure (Residential)	2/18/K 1715	Forty Lessin	
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#:		SALICK JOHNS	Report to:	Executive Drive	Address:
t P.O:			Project:	Inc	786
Email: Djerves @ 16g Ct. Co.v.	K Email: Dje	Client Services (860) 645-8726	Client Services (	Inc.	Environmental Laboratories,
	Fax #:	587 East Middle Tumpike, P.O. Box 370, Manchester. CT 06040 Email: info@hhoenivlahe.com Fax (860) 645,0923	East Middle Turnpike, P.O. Box Email: info@nbosnivlabs.com		
Temp (0° Pg 12 9 43		ODY RECORD	CHAIN OF CUSTODY RECORD		(

Data Package
Tier II Checklist
Full Data Package\*
Phoenix Std Report
Other

| S-2 | S-3 | MWRA eSMART | Other

KG GB Mobility
K Residential DEC
I/C DEC
Other

Turnaround:

1 Day\*

2 Days\*

3 Days\*

Kalstandard

Other

Surcharge Applies

\* SURCHARGE APPLIES

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State where samples were collected:

		CHAIN OF CUSTODY RECORD	/ RECORD	Temp (A)	Pa <b>⊘</b> of ∾
		ast Middle Turnnike. P.O. Box 370	Manchester CT 06040		
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~~~		2 Days*	K Residential DEC  ☐ I/C DEC  ☐ Other		☐ Full Data Package*☐ Phoenix Std Report☐ Other
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